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Before the paragraph beginning at page 2, line 26,
insert the following heading:

--DESCRIPTION OF THE PREFERRED EMBODIMENTS--.

IN THE CLAIMS:

Amend claim 1 as follows:

Subs 1. (amended) A greenhouse (1,28) comprising:
a transparent roof construction (2,29) with a
longitudinal direction (L) and a transverse direction (D) located
perpendicularly thereto, having plural pairs of first roof
surfaces (5,6,7,8,36,37) in succession in the transverse
direction (D), the first roof surfaces of a predetermined pair
running at an angle (θ) with respect to a horizontal from a
respective first base edge (11,11',11'',30,33) oriented in the
longitudinal direction (L) of the greenhouse to a first common
apex (9,10,38),

wherein the greenhouse is provided with pairs of
successive second roof surfaces (12,13,14,15;34,35) in the
longitudinal direction (L), the second roof surfaces of a
predetermined pair extending at an angle (γ) with respect to the
horizontal from a respective second base edge (18,19,20,21;31,32)
oriented in the transverse direction (D) of the greenhouse to a
second common apex (16,17,38).

*See notes
in margin*

J Amend claim 2 as follows: J

2. (amended) The greenhouse (28) according to Claim 1, wherein four mutually adjoining perpendicular base edges (30, 31, 32, 33) each time delimit a rectangle, wherein the rectangles extend successively in the longitudinal direction (L) and the transverse direction (D) of the roof construction and wherein, for each rectangle, first and second pairs of roof surfaces (34, 35, 36, 37) extend from the base edges (30, 31, 32, 33) to a common apex (38) located above the rectangle concerned.

Cont. C1
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J Amend claim 3 as follows: J

3. (amended) The greenhouse (1) according to Claim 1, wherein the pairs of first roof surfaces (5, 6, 7, 8) are in contact with one another along edges at the first common apex (9, 10), wherein the first base edges (11, 11', 11'') and the edges at the first common apex (9, 10) of the pairs of first roof surfaces (5, 6, 7, 8) extend parallel to one another in the longitudinal direction (L), wherein the pairs of second roof surfaces (12, 13, 14, 15) are in contact with one another along edges at the second common apex (16, 17) and wherein the second base edges (18, 19, 20, 21) and the edges at the second common apex (16, 17) of the second pairs of roof surfaces (12, 13, 14, 15) extend parallel to one another from a base edge (11, 11', 11'') of a first roof surface (5, 6, 7, 8) to the edge at the first common apex (9, 10) of the first roof surface concerned.

Subcl 4 [Amend claim 4 as follows:]

4. (twice amended) The greenhouse (1, 28) according to claim 1, wherein the roof surfaces (52, 53, 54, 55) are of doubled-wall construction, having a base sheet (51, 73, 74) and transverse links (58, 59, 75, 76, 77) between the points of the apexes and/or the base edges (60, 61, 62, 63, 78, 79) of the roof surfaces and the base sheet.

B2 [Amend claim 5 as follows:]

5. (twice amended) The greenhouse (1, 28) according to Claim 3, wherein a distance (d_2 , d_3 , d_4) between the second base edges (18, 19, 20, 21, 78, 79) of the pairs of second roof surfaces (12, 13, 14, 15, 71, 72) is between 0.5 and 0.001 times the distance (d_1) between the first base edges (11, 11', 11'') of the pairs of first roof surfaces (5, 6, 7, 8).

[Amend claim 6 as follows:]

6. (twice amended) The greenhouse (1, 28) according to Claim 3, wherein a perpendicular distance (h_2 , h_5) between the edge at the apex (16, 17, 27, 28) and the second base edges (18, 19, 20, 21, 60, 61, 62, 63) of the pairs of second roof surfaces is between 0.5 and 0.001 times the perpendicular distance between the edge at the apex (9, 10) and the first base edges (11, 11', 11'') of the pairs of the first roof surfaces (5, 6, 7, 8).

Amend claim 7 as follows:

Subcl 7. (amended) A roof element (50,80) for use in a greenhouse, comprising plural pairs of roof surfaces (52,53,54,55,82,83) in succession in a transverse direction (D) and a base sheet (51,81), wherein the roof surfaces of a predetermined pair run at an angle (θ) with respect to the base sheet from a base edge (60,61,62,63,86,88) oriented in a longitudinal direction (L) to a common apex (56,57,90), which roof surfaces (52,53,54,55,82,83) are joined to the base sheet along the base edges and/or at the location of the apex.

Amend claim 8 as follows:

8. (amended) The roof element (80) according to Claim 7, wherein the roof element is furthermore provided with pairs of second roof surfaces (84,85) in succession in a longitudinal direction (L) which run at an angle with respect to the base sheet (81) from a base edge (87,89) oriented in a transverse direction (D) to a common apex (90), wherein four base edges (86,87,88,89) perpendicular to one another always delimit a rectangle, wherein the rectangles extend successively in the longitudinal direction (L) and the transverse direction (D) of the base sheet (81) and wherein, for each rectangle, first and second pairs of roof surfaces (82,83,84,85) extend from the base edges (86,87,88,89) to a common apex (90) located above the rectangle concerned.

Amend claim 9 as follows:

Subj 9. (twice amended) The roof element (50, 80) according to Claim 7, wherein a distance between the base sheet (51, 81) and the apex (56, 57, 90) is between 1cm and 10cm.

Amend claim 10 as follows:

10. (twice amended) The roof element (50, 80) according to Claim 7, wherein a distance (d_3, d_4) between the base edges is between 1cm and 10cm.

Amend claim 11 as follows:

11. (twice amended) The roof element (50, 80) according to Claim 7, wherein the angle (θ) of the roof surfaces is between 30° and 75° .

Amend claim 12 as follows:

12. (twice amended) The roof element (50, 80) according to Claim 7, wherein the roof element consists of one piece and is made from transparent plastic having a wall thickness of between 0.5mm and 5mm.

Amend claim 13 as follows:

13. (twice amended) The roof element (76, 77) according to Claim 7, wherein the roof element is provided with coupling means (78, 79) for joining to a similar roof element.

Add the following new claims:

Sub C) 14. (new) The roof element of claim 7, wherein the base sheet has base surfaces (73, 74) positioned at an angle to each other, and wherein the roof surfaces and the base surfaces are jointed to each other by partitions (75, 76, 77).

(B) 15. (new) A transparent roof for a greenhouse, comprising:

a pair of first roof surfaces that meet at a first common apex extending in a first direction, said first roof surfaces sloping obliquely relative to a horizontal,

wherein each of said first roof surfaces is formed by plural pairs of second roof surfaces that slope obliquely relative to the horizontal, and

wherein said plural pairs of second roof surfaces meet at respective second common apexes that are parallel to each other and transverse to the first direction.

16. (new) The roof of claim 15, wherein said second common apexes are perpendicular to the first direction.